

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103415.D
 Acq On : 5 Mar 2018 18:17
 Operator : SJ/JU
 Sample : J1751-05
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-030118-C

Manual Integrations
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 3/6/2018 4:23:04 PM

Quant Time: Mar 06 08:46:27 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 05 13:40:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	154673	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	632390	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	278724	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	446491	20.00	ng	0.00
75) Chrysene-d12	14.07	240	251299	20.00	ng	0.00
86) Perylene-d12	15.59	264	239463	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1116454	109.17	ng	0.00
7) Phenol-d6	6.52	99	1288299	102.95	ng	0.00
23) Nitrobenzene-d5	7.44	82	776736	70.14	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	204738	86.78	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1034396	59.39	ng	0.00
78) Terphenyl-d14	13.00	244	762715	72.96	ng	0.00
Target Compounds						
10) Phenol	6.53	94	56100	3.862	ng	Qvalue # 56
37) 2-Methylnaphthalene	8.87	142	58308	2.914	ng	95
49) Dimethylphthalate	9.62	163	208607	9.330	ng	99
51) Acenaphthene	9.95	154	129557	7.815	ng	97
54) Dibenzofuran	10.12	168	123737	5.437	ng	97
57) Fluorene	10.46	166	212403	10.957	ng	97
70) Phenanthrene	11.44	178	1166061	47.455	ng	99
71) Anthracene	11.49	178	417982	16.589	ng	99
72) Carbazole	11.65	167	53381	2.127	ng	98
74) Fluoranthene	12.64	202	1284230	52.010	ng	98
77) Pyrene	12.87	202	1199522	61.223	ng	99
80) Benzo(a)anthracene	14.06	228	570111	34.965	ng	97
82) Chrysene	14.10	228	491484	31.044	ng	97
85) Indeno(1,2,3-cd)pyrene	17.14	276	227963	18.188	ng	96
87) Benzo(b)fluoranthene	15.14	252	616097m	39.131	ng	
88) Benzo(k)fluoranthene	15.17	252	146467m	9.879	ng	
89) Benzo(a)pyrene	15.53	252	423986	30.156	ng	95
90) Dibenzo(a,h)anthracene	17.13	278	61319	5.644	ng	# 78
91) Benzo(a,h,i)perylene	17.62	276	208021	19.591	ng	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

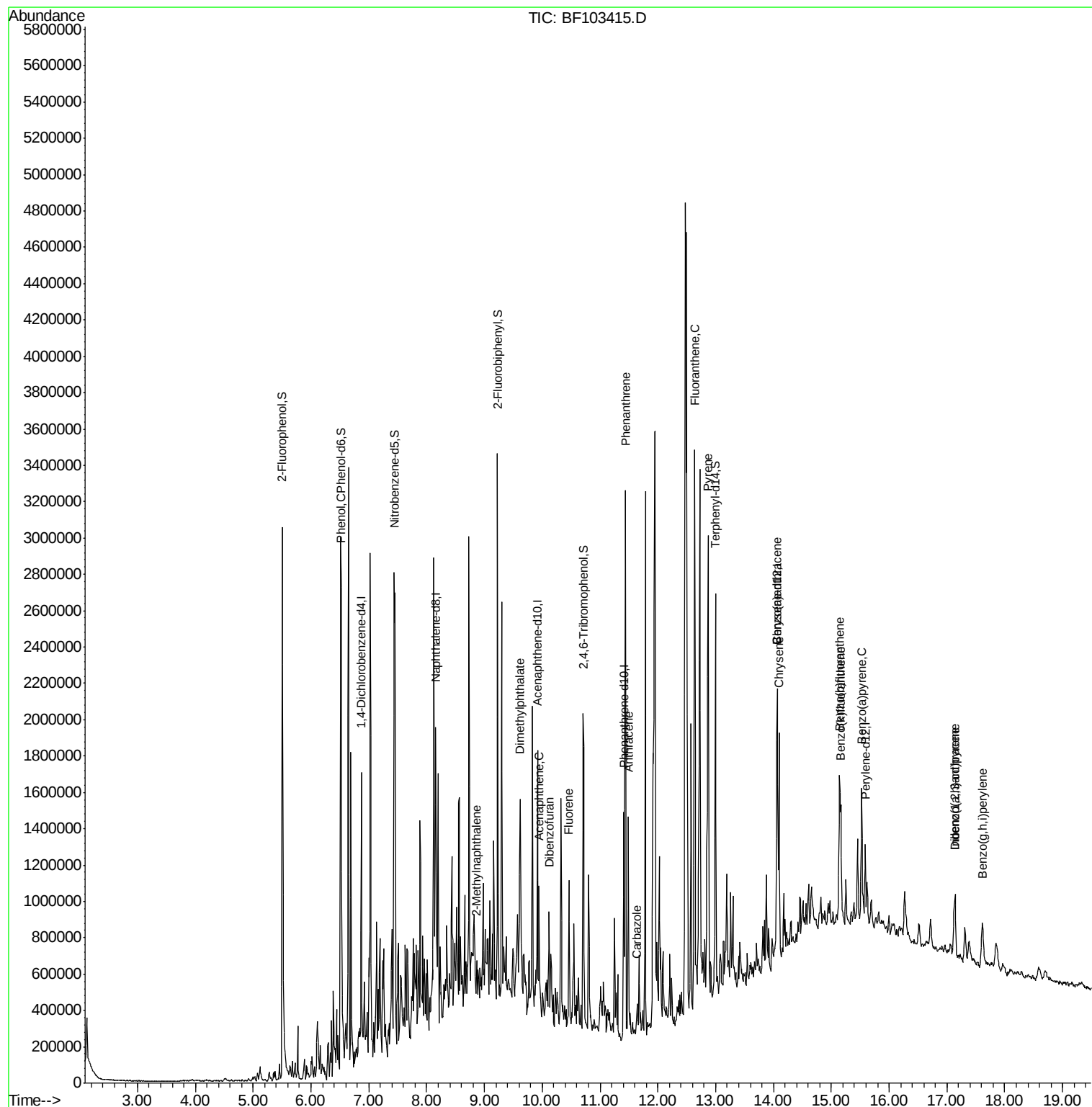
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103415.D
Acq On : 5 Mar 2018 18:17
Operator : SJ/JU
Sample : J1751-05
Misc :
ALS Vial : 3 Sample Multiplier: 1

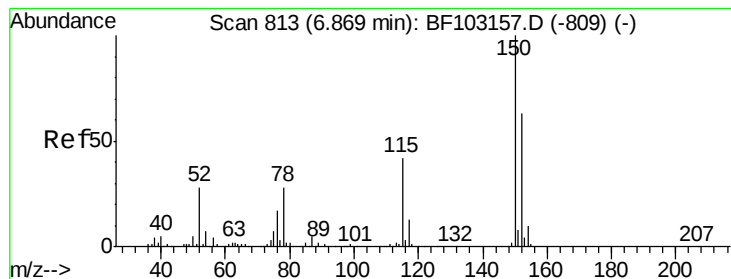
Instrument :
BNA_F
ClientSampleId :
JC-02-030118-C

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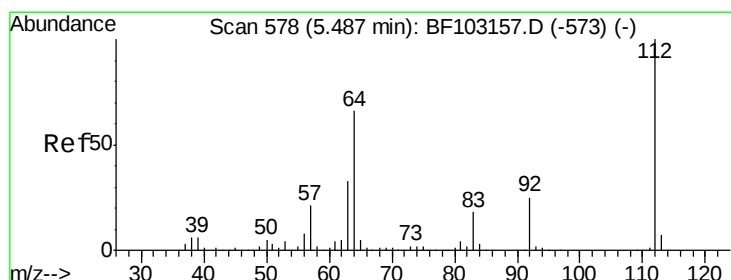
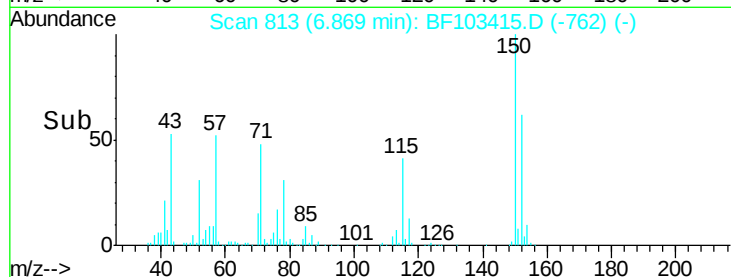
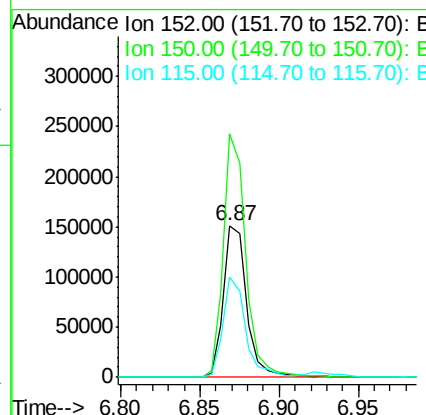
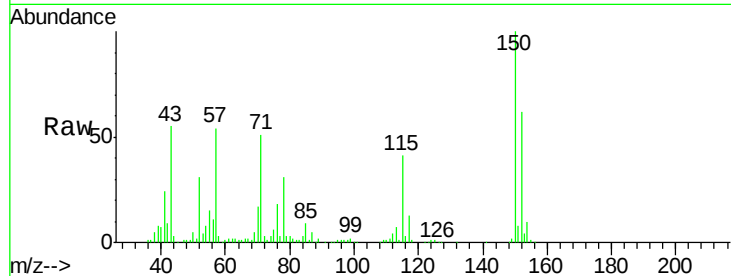
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF103415.D
 Acq: 5 Mar 2018 18:17

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-030118-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	124.6	186.8
115	66.2	50.1	75.1

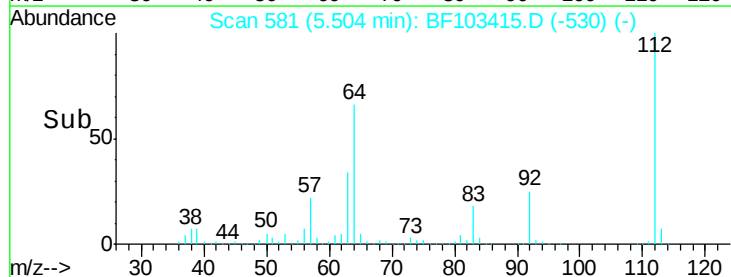
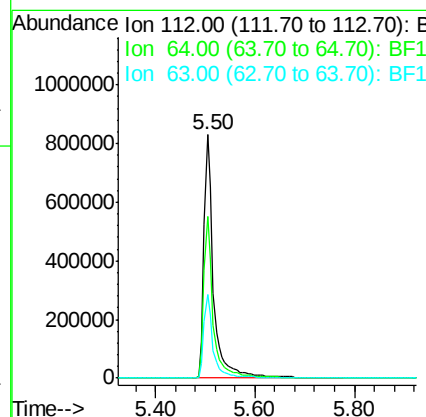
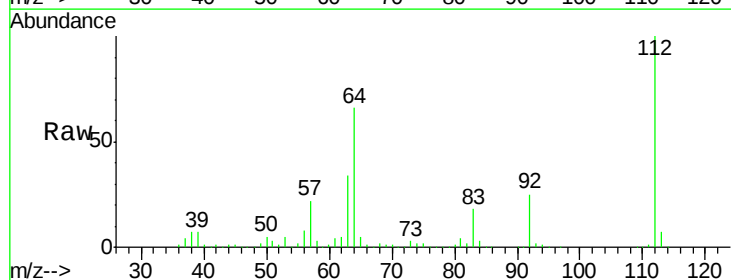
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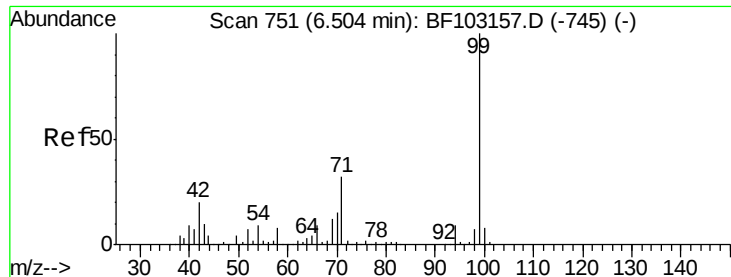
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#5
 2-Fluorophenol
 Concen: 109.169 ng
 RT: 5.50 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: BF103415.D
 Acq: 5 Mar 2018 18:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	47.9	71.9
63	34.3	23.7	35.5





#7

Phenol-d6

Concen: 102.948 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103415.D

Acq: 5 Mar 2018 18:17

Instrument :

BNA_F

ClientSampleId :

JC-02-030118-C

Tot Ion: 99 Resp: 1288299

Ion Ratio Lower Upper

99 100

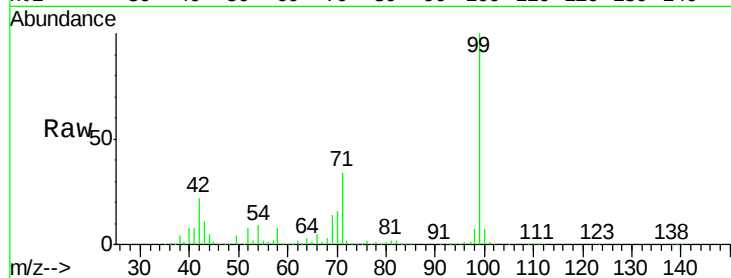
42 21.7 14.5 21.7

71 34.1 25.4 38.0

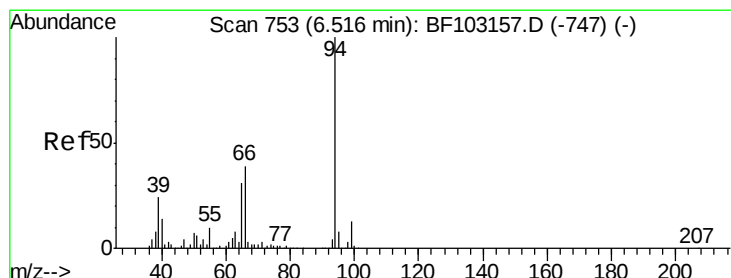
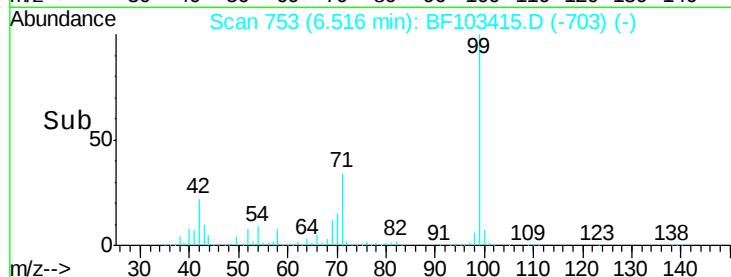
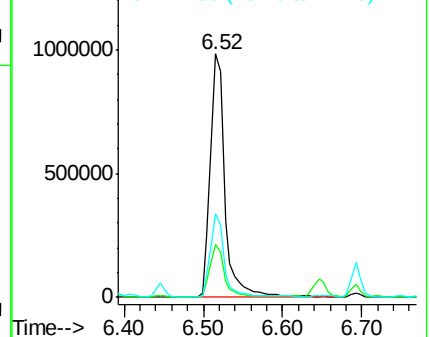
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.862 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF103415.D

Acq: 5 Mar 2018 18:17

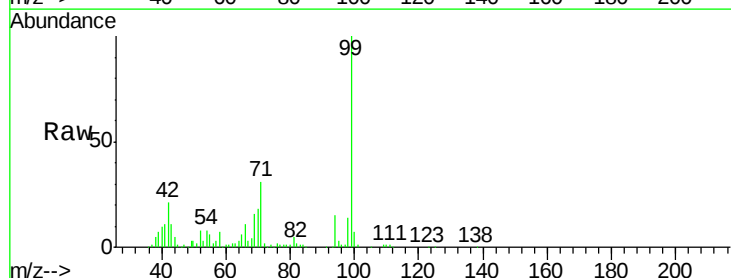
Tgt Ion: 94 Resp: 56100

Ion Ratio Lower Upper

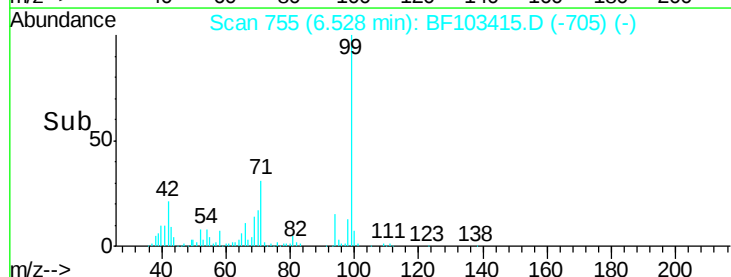
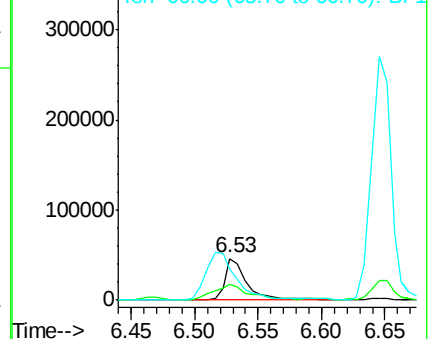
94 100

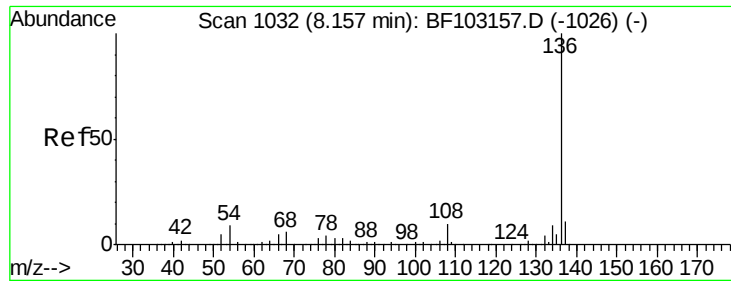
65 38.6 7.9 47.9

66 73.2 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103415.D

Acq: 5 Mar 2018 18:17

Instrument :

BNA_F

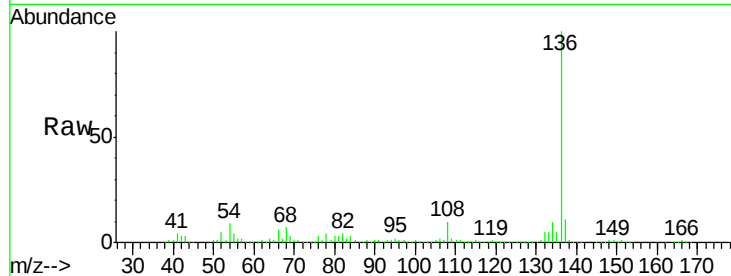
ClientSampleId :

JC-02-030118-C

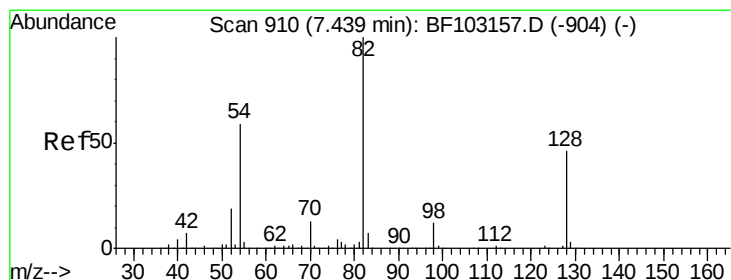
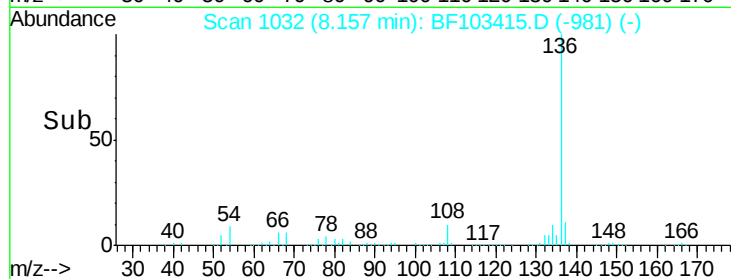
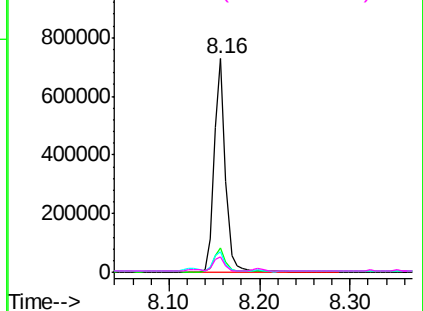
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		632390		
137	11.3		8.9	13.3	
54	9.4		6.6	9.8	
68	7.0		5.0	7.4	

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Abundance Ion 136.00 (135.70 to 136.70): E



#23

Nitrobenzene-d5

Concen: 70.144 ng

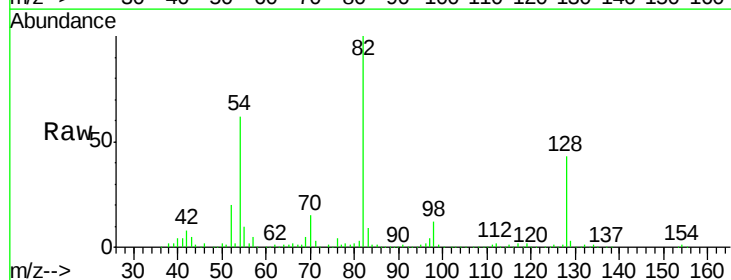
RT: 7.44 min Scan# 910

Delta R.T. 0.00 min

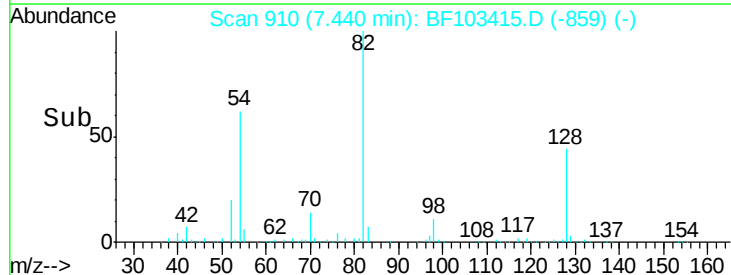
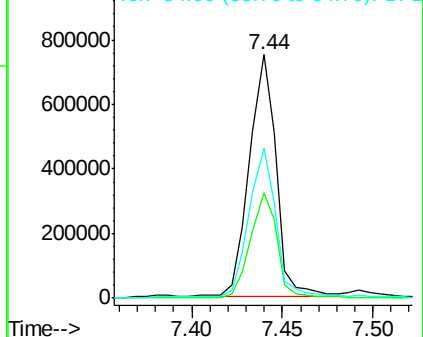
Lab File: BF103415.D

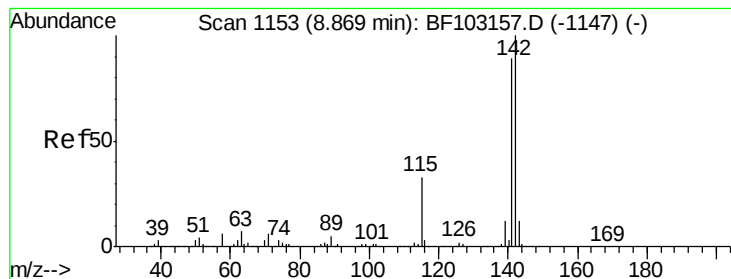
Acq: 5 Mar 2018 18:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		776736		
128	43.4		36.1	54.1	
54	61.6		41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF1





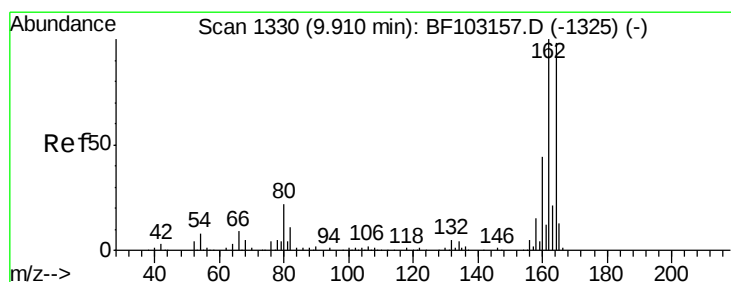
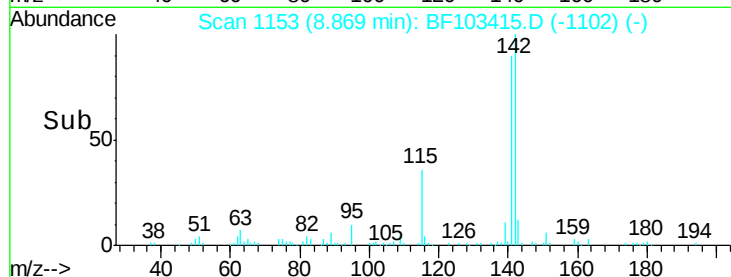
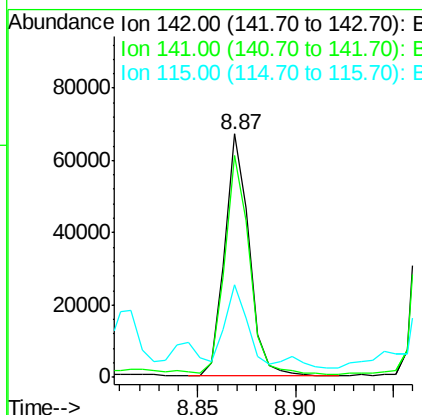
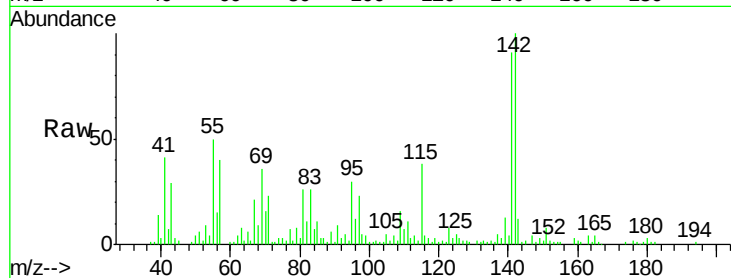
#37
2-Methylnaphthalene
Concen: 2.914 ng
RT: 8.87 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BF103415.D
Acq: 5 Mar 2018 18:17

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-C

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.3	70.8	106.2
115	37.9	26.1	39.1

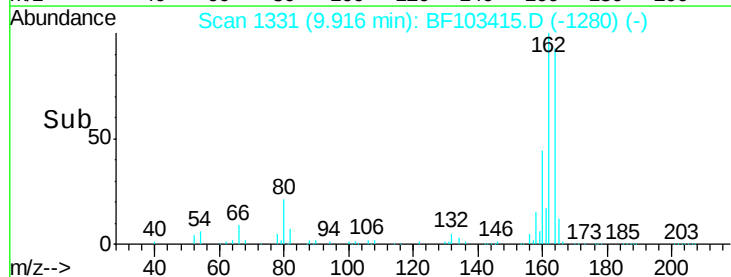
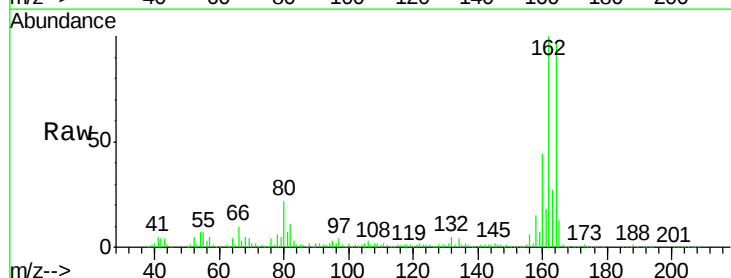
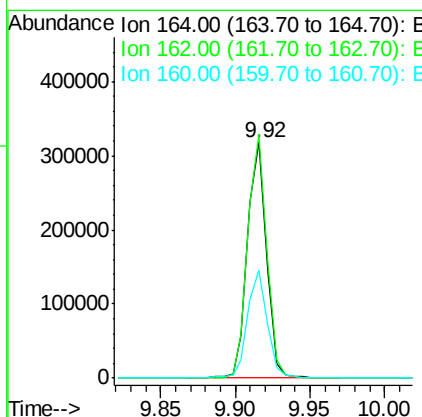
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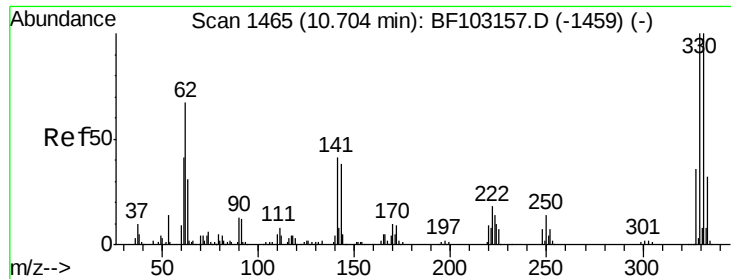
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF103415.D
Acq: 5 Mar 2018 18:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	86.1	129.1
160	45.6	38.3	57.5





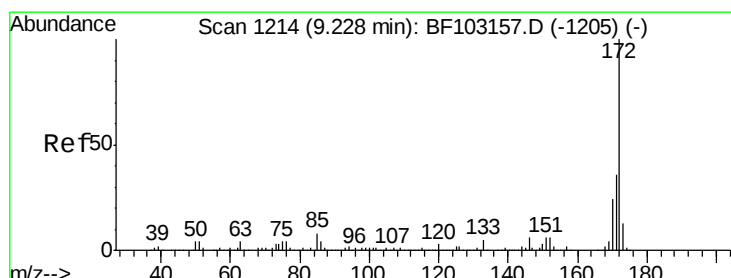
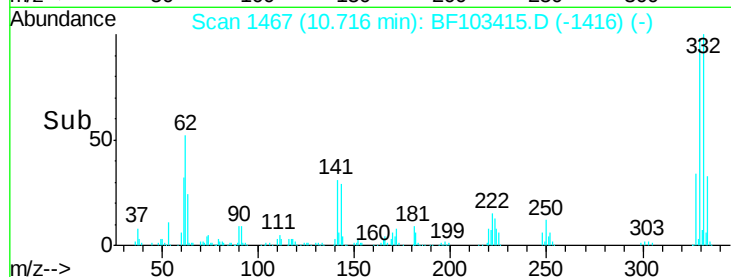
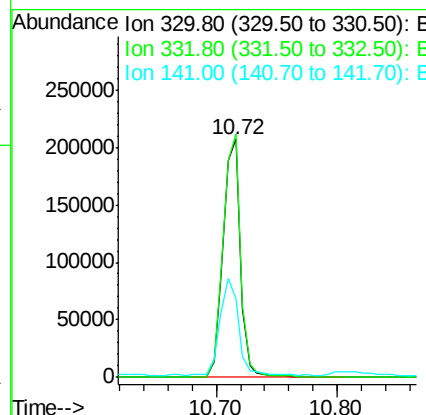
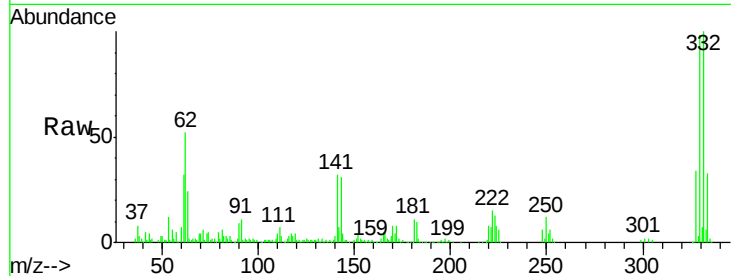
#41
 2,4,6-Tribromophenol
 Concen: 86.781 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF103415.D
 Acq: 5 Mar 2018 18:17

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-030118-C

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.3	77.0	115.6
141	42.7	29.9	44.9

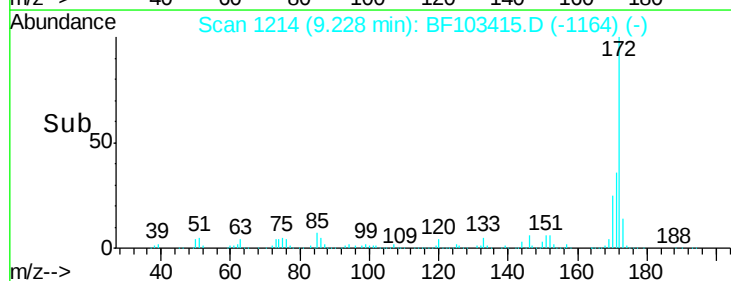
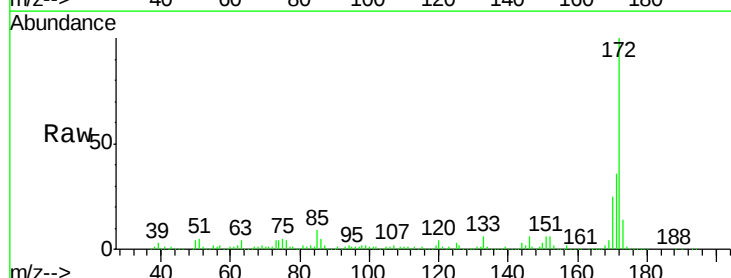
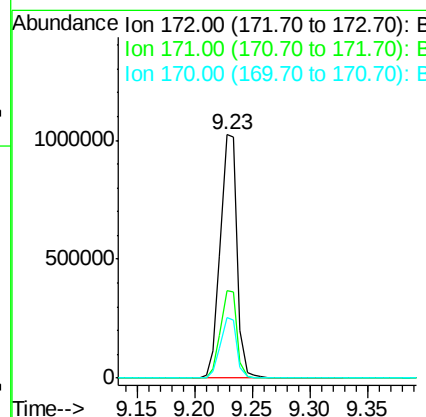
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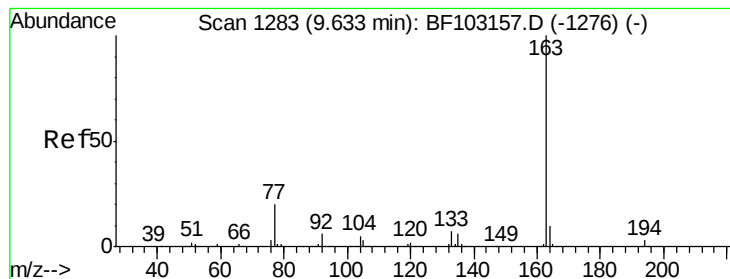
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#44
 2-Fluorobiphenyl
 Concen: 59.390 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103415.D
 Acq: 5 Mar 2018 18:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.8	19.6	29.4





#49

Dimethylphthalate

Concen: 9.330 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF103415.D

Acq: 5 Mar 2018 18:17

Instrument :

BNA_F

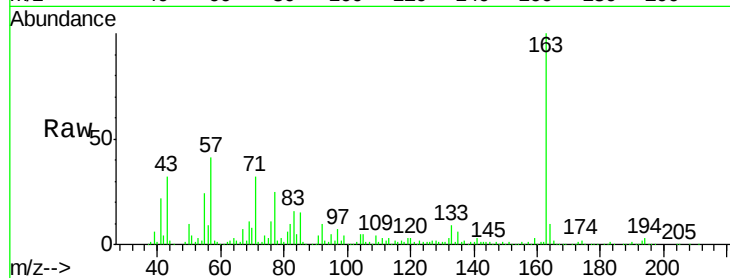
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JC-02-030118-C

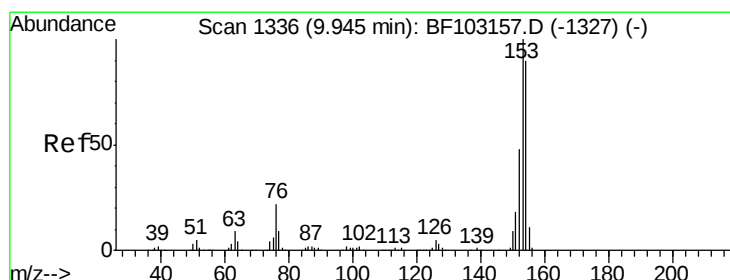
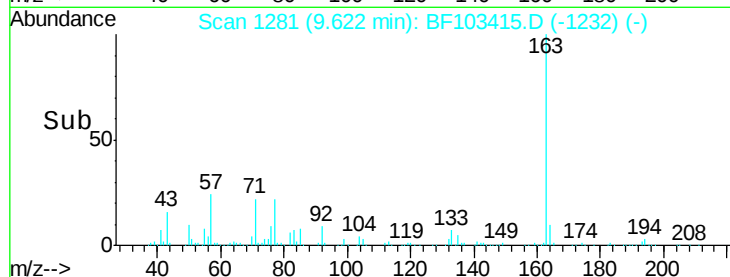
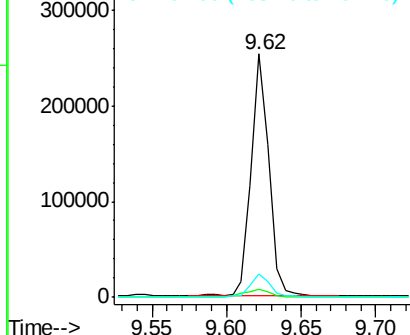
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	9.8	8.2	12.2

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 7.815 ng

RT: 9.95 min Scan# 1336

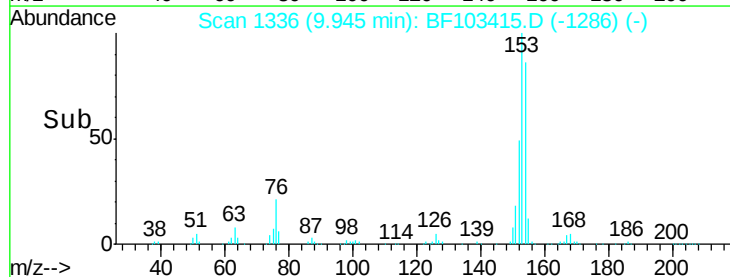
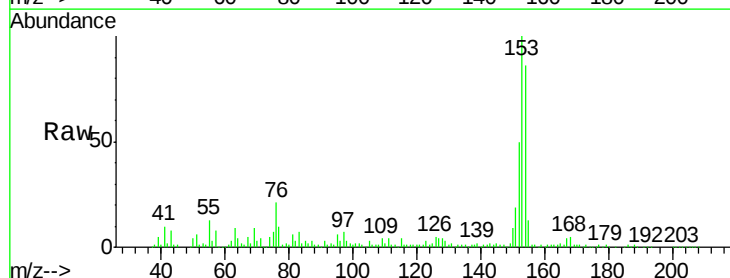
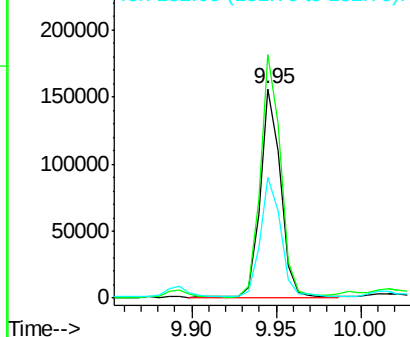
Delta R.T. -0.01 min

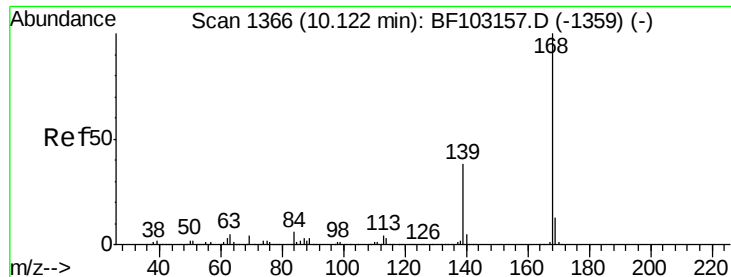
Lab File: BF103415.D

Acq: 5 Mar 2018 18:17

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.2	91.2	136.8
152	57.6	43.8	65.8

Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





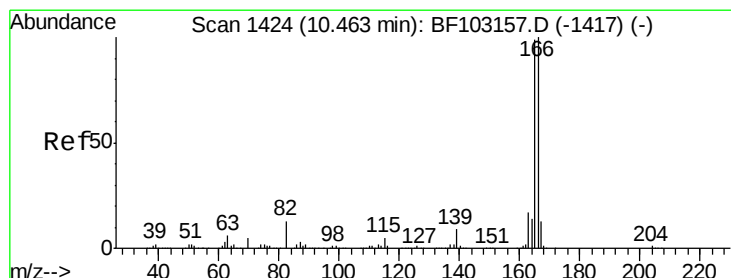
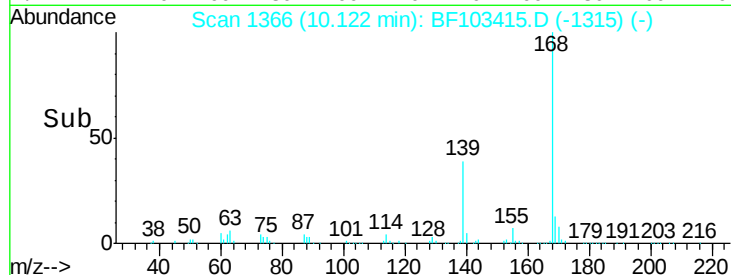
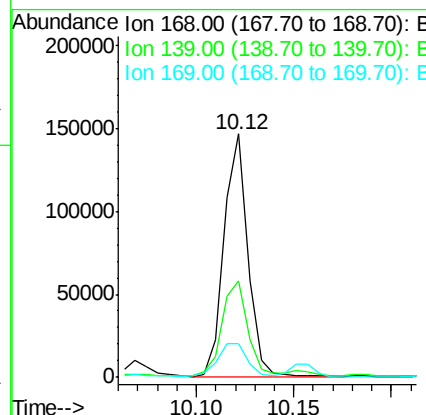
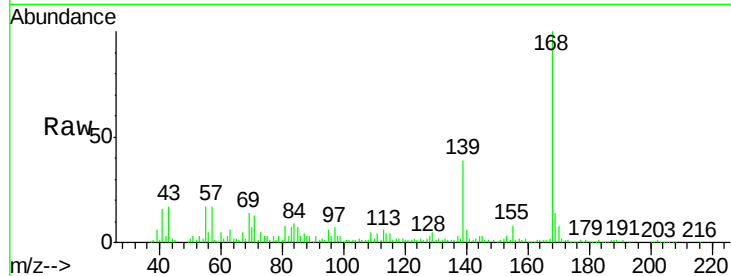
#54
Dibenzofuran
Concen: 5.437 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BF103415.D
Acq: 5 Mar 2018 18:17

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-C

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.5	30.1	45.1
169	13.9	10.9	16.3

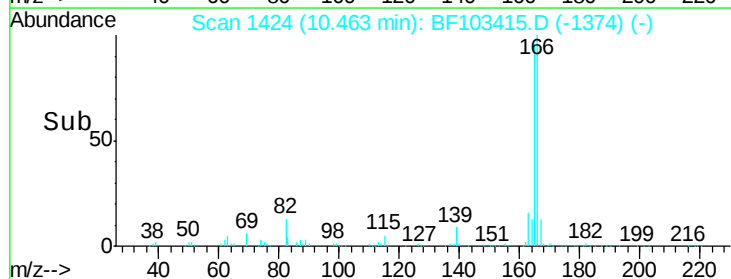
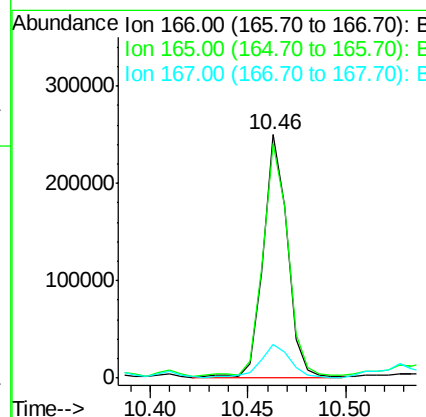
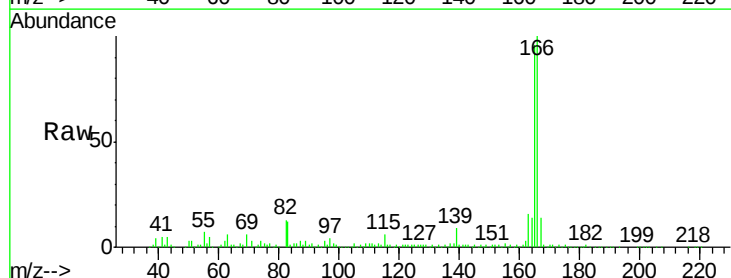
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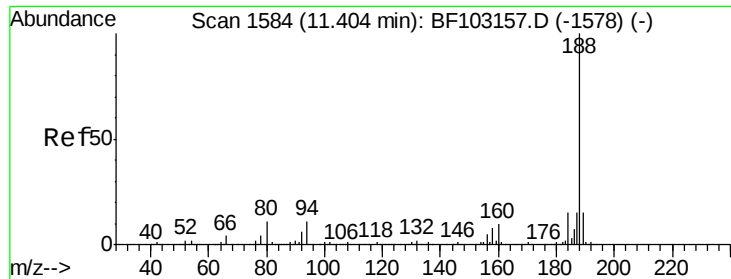
Sohil
3/6/2018 4:23:04 PM



#57
Fluorene
Concen: 10.957 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF103415.D
Acq: 5 Mar 2018 18:17

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.2	79.8	119.8
167	14.1	10.6	16.0





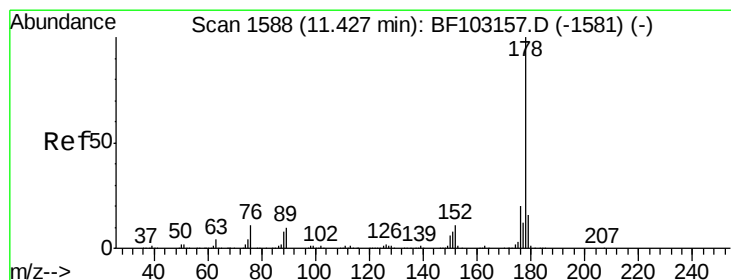
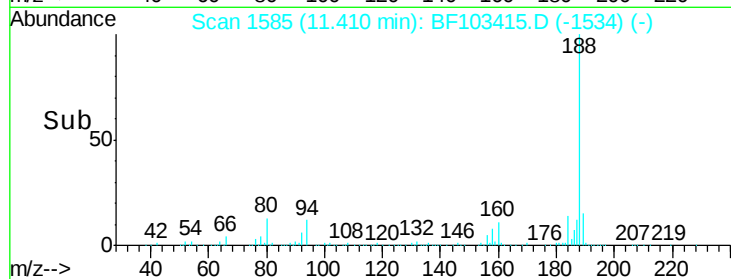
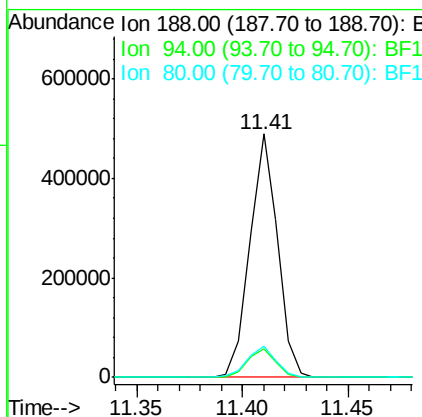
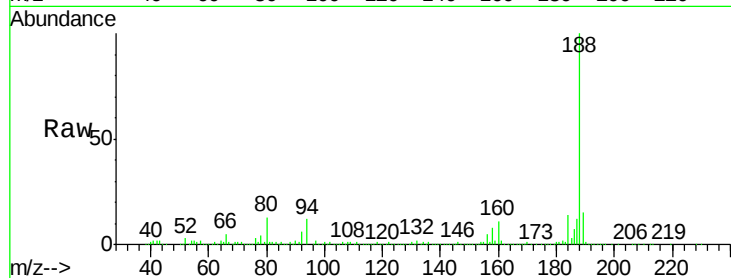
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF103415.D
Acq: 5 Mar 2018 18:17

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-C

Tot Ion	Ratio	Resp	Lower	Upper
188	100	446491		
94	11.9		8.5	12.7
80	12.7		9.2	13.8

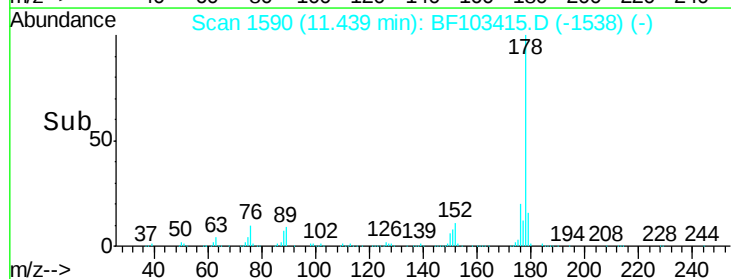
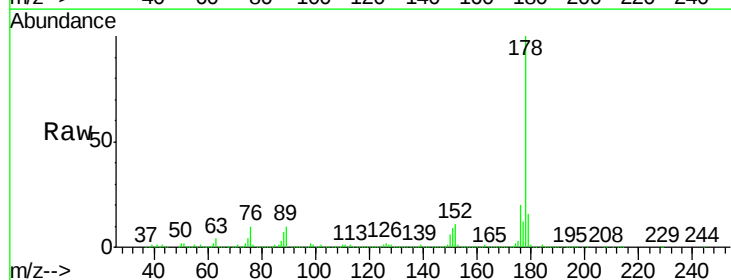
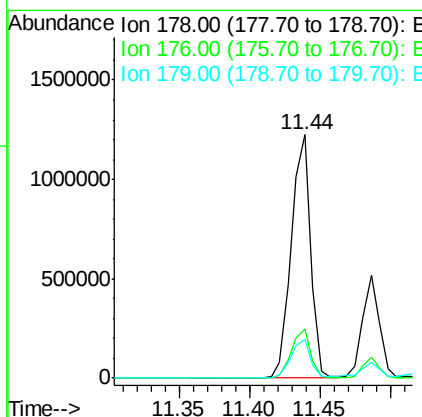
Manual Integrations
APPROVED

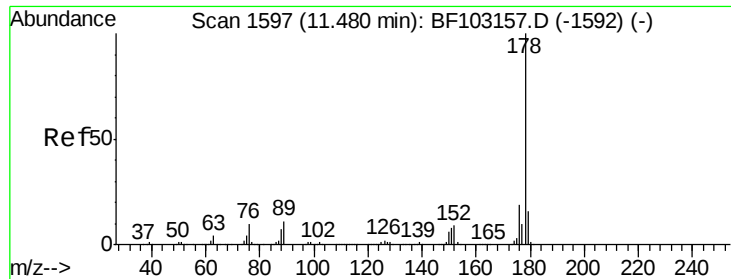
Sohil
3/6/2018 4:23:04 PM



#70
Phenanthrene
Concen: 47.455 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF103415.D
Acq: 5 Mar 2018 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1166061		
176	20.2		15.8	23.8
179	15.9		13.0	19.6





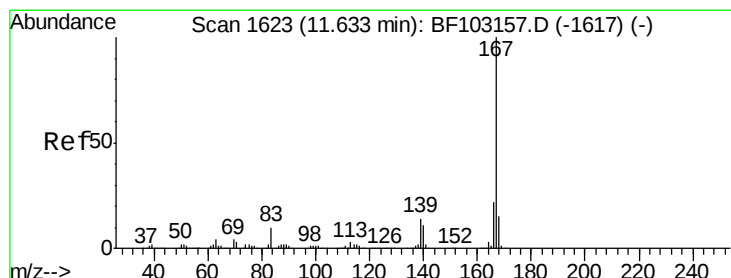
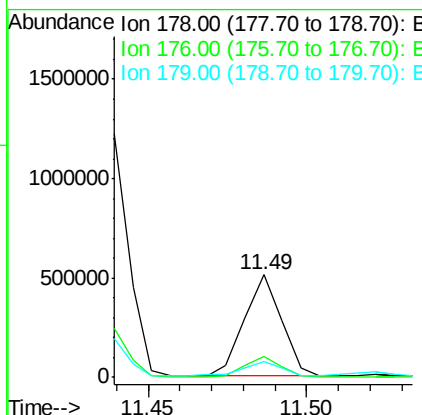
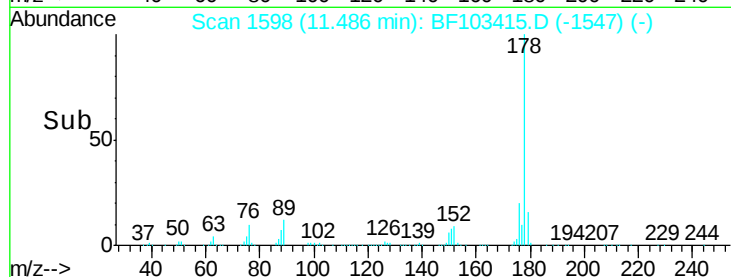
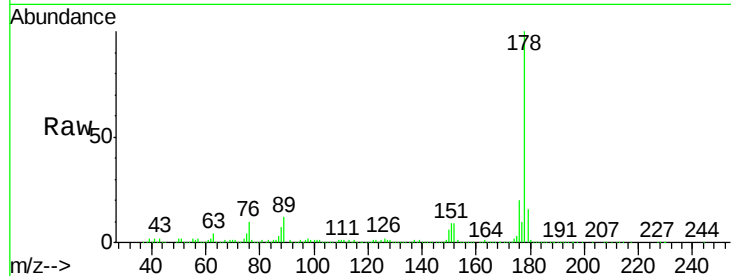
#71
 Anthracene
 Concen: 16.589 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: BF103415.D
 Acq: 5 Mar 2018 18:17

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-030118-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.4	23.2
179	15.7	12.6	19.0

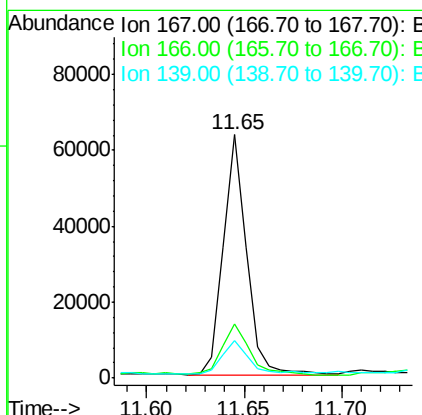
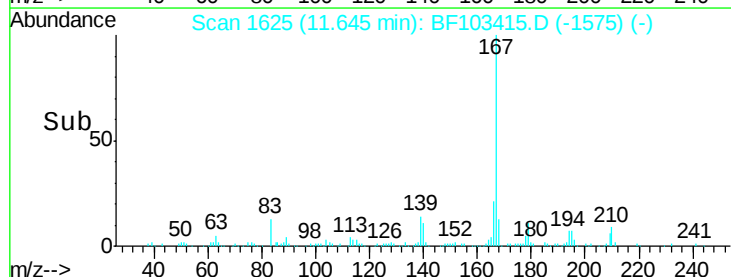
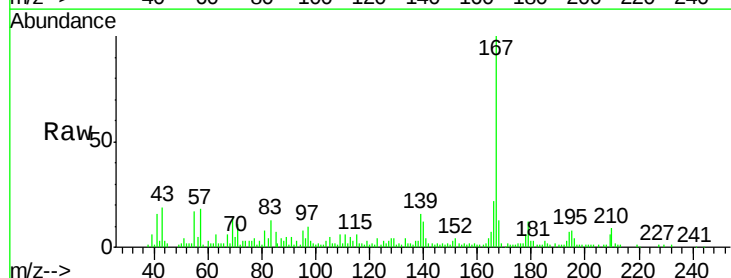
Manual Integrations
 APPROVED

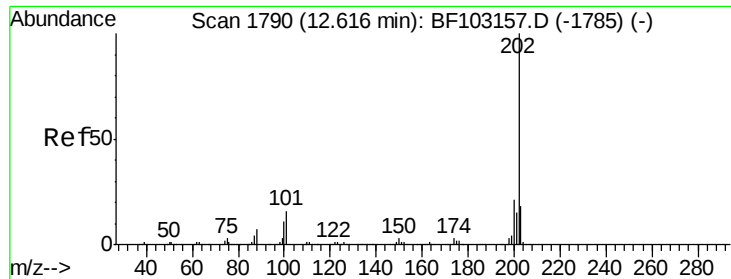
Sohil
 3/6/2018 4:23:04 PM



#72
 Carbazole
 Concen: 2.127 ng
 RT: 11.65 min Scan# 1625
 Delta R.T. -0.01 min
 Lab File: BF103415.D
 Acq: 5 Mar 2018 18:17

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.6	26.4
139	15.5	10.9	16.3





#74

Fluoranthene

Concen: 52.010 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF103415.D

Acq: 5 Mar 2018 18:17

Instrument :

BNA_F

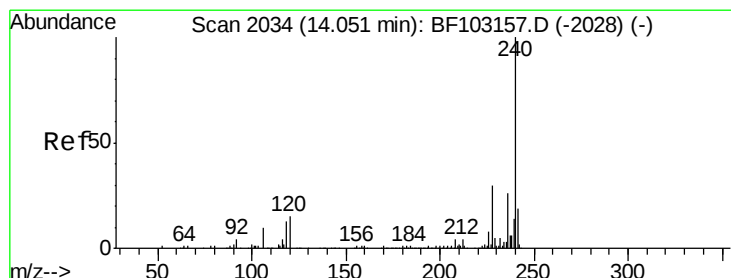
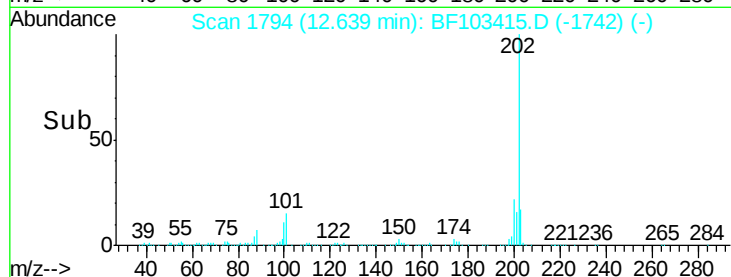
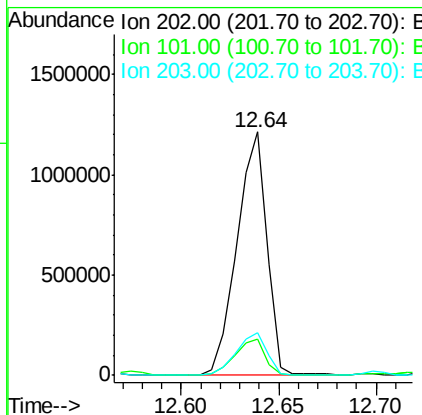
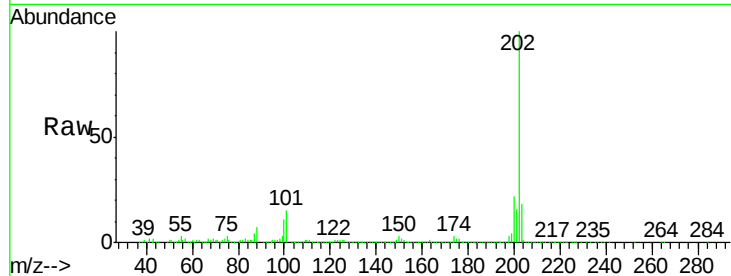
ClientSampleId :

JC-02-030118-C

Tot Ion:	202	Resp:	1284230
Ion	Ratio	Lower	Upper
202	100		
101	15.1	0.0	34.1
203	17.5	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

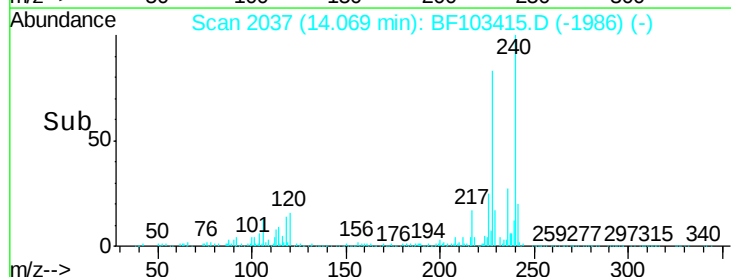
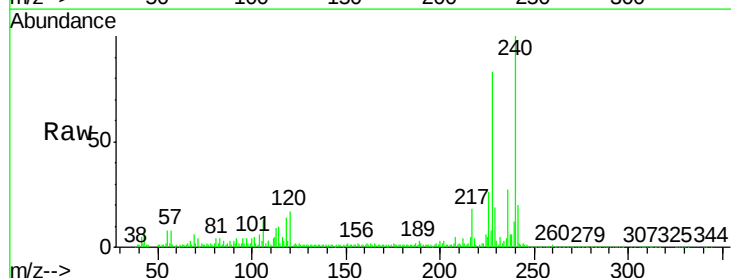
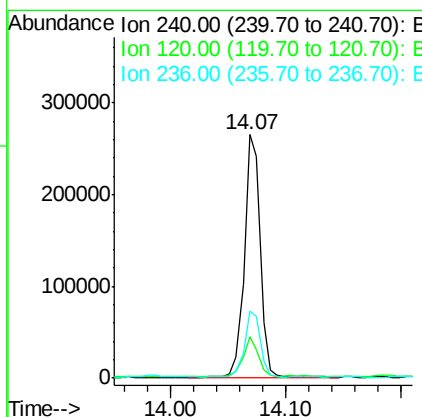
RT: 14.07 min Scan# 2037

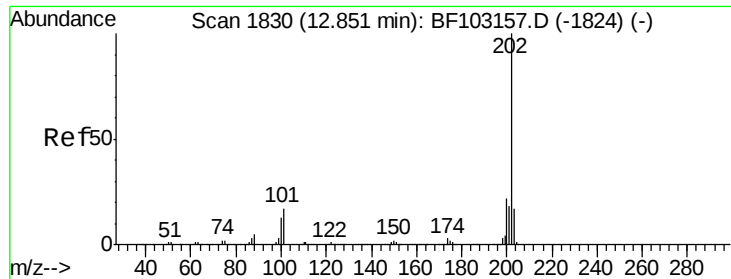
Delta R.T. 0.00 min

Lab File: BF103415.D

Acq: 5 Mar 2018 18:17

Tgt Ion:	240	Resp:	251299
Ion	Ratio	Lower	Upper
240	100		
120	16.9	9.5	14.3#
236	27.3	20.7	31.1





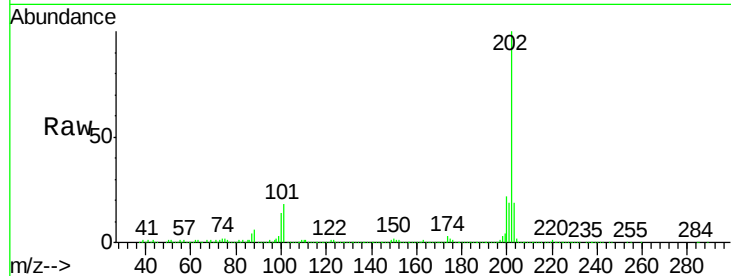
#77
Pvrene
Concen: 61.223 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF103415.D
Acq: 5 Mar 2018 18:17

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-C

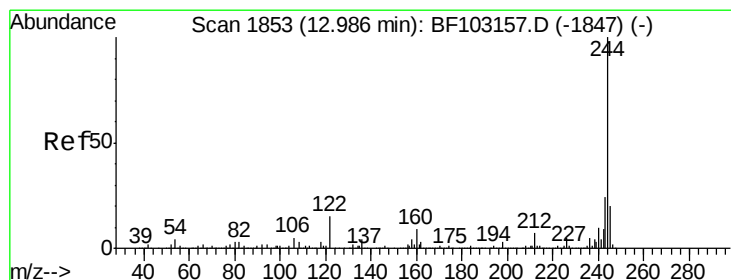
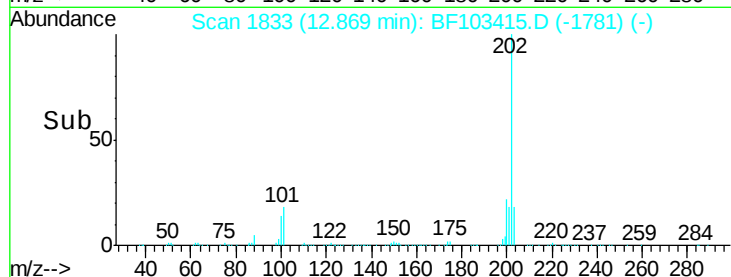
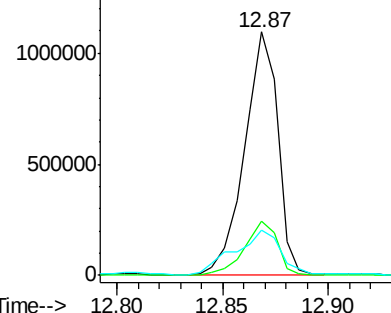
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	18.6	14.3	21.5

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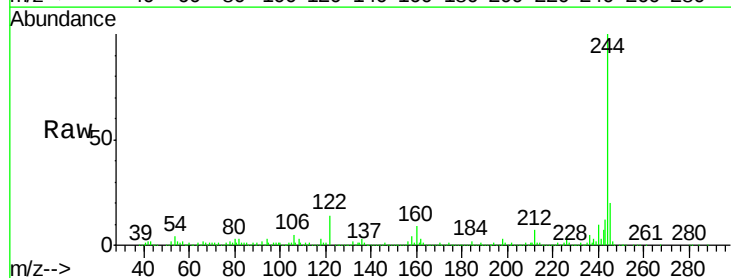


Abundance Ion 202.00 (201.70 to 202.70): E
1500000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

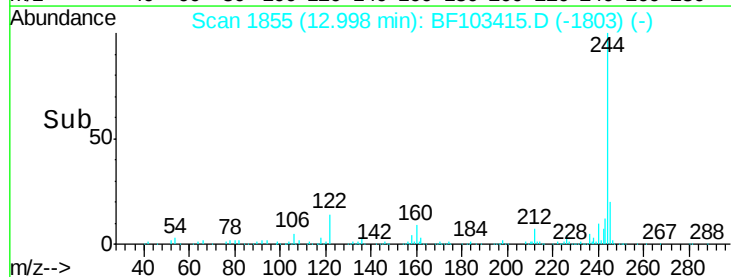
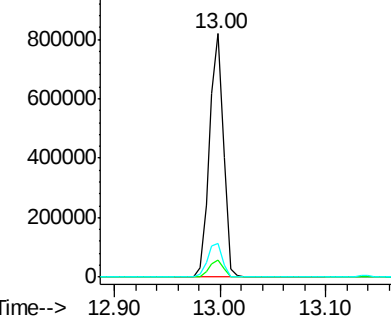


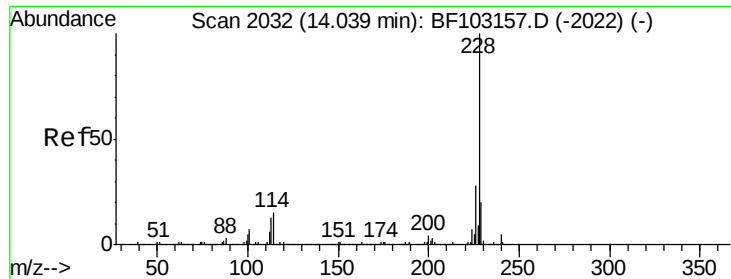
#78
Terphenyl-d14
Concen: 72.960 ng
RT: 13.00 min Scan# 1855
Delta R.T. 0.01 min
Lab File: BF103415.D
Acq: 5 Mar 2018 18:17

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	14.0	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E
1000000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





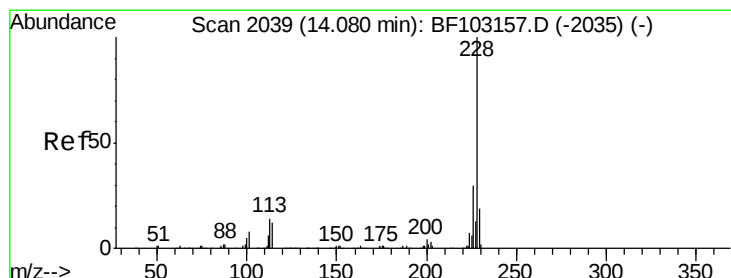
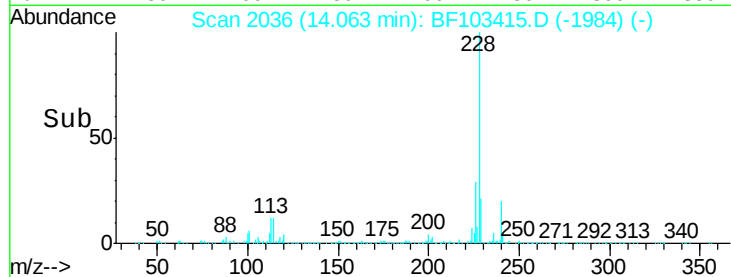
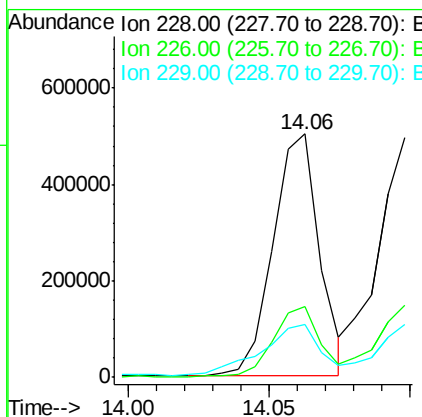
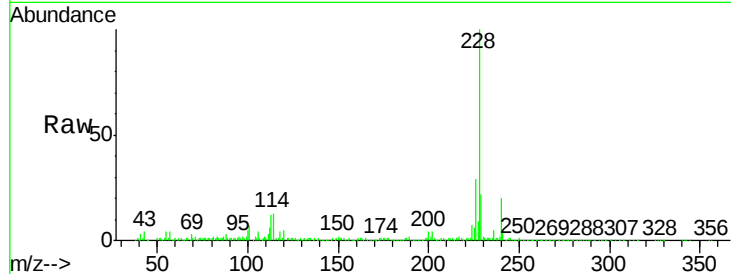
#80
Benzo(a)anthracene
Concen: 34.965 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.01 min
Lab File: BF103415.D
Acq: 5 Mar 2018 18:17

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	21.6	15.8	23.6

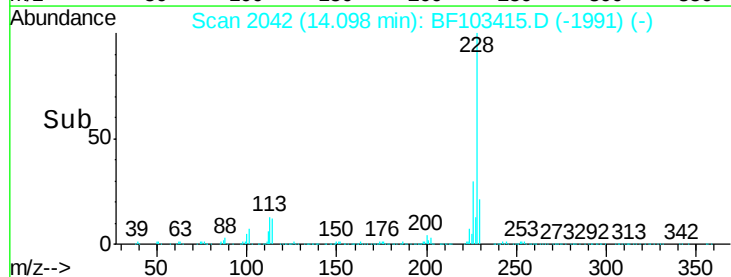
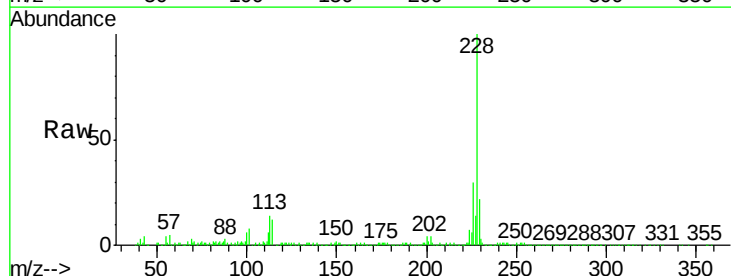
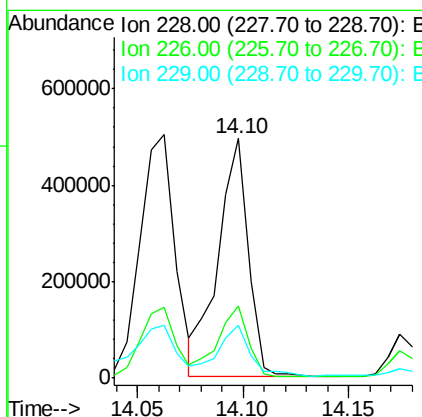
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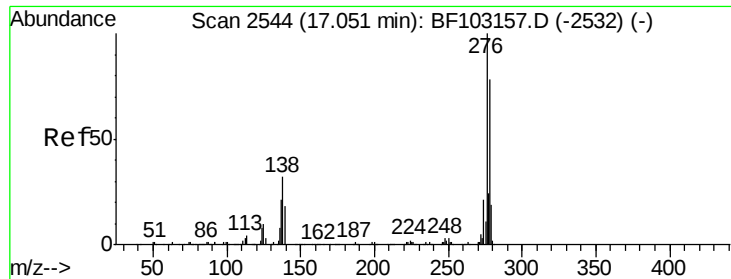
Sohil
3/6/2018 4:23:04 PM



#82
Chrysene
Concen: 31.044 ng
RT: 14.10 min Scan# 2042
Delta R.T. 0.00 min
Lab File: BF103415.D
Acq: 5 Mar 2018 18:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	22.1	16.2	24.4





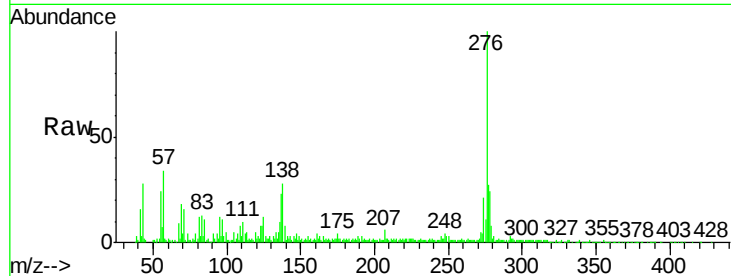
#85
Indeno(1,2,3-cd)pyrene
Concen: 18.188 ng
RT: 17.14 min Scan# 2559
Delta R.T. 0.01 min
Lab File: BF103415.D
Acq: 5 Mar 2018 18:17

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.5	25.0	37.6
277	24.6	20.1	30.1

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3/6/2018 4:23:04 PM

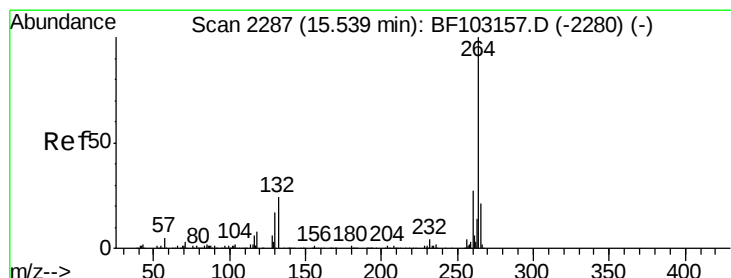
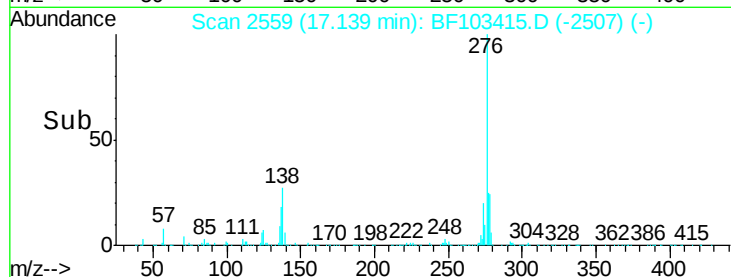
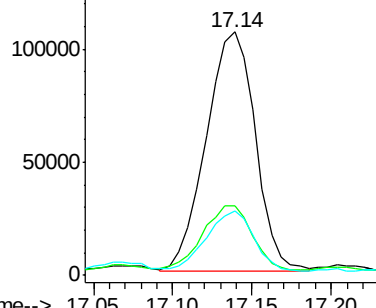


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BF103415.D
Acq: 5 Mar 2018 18:17

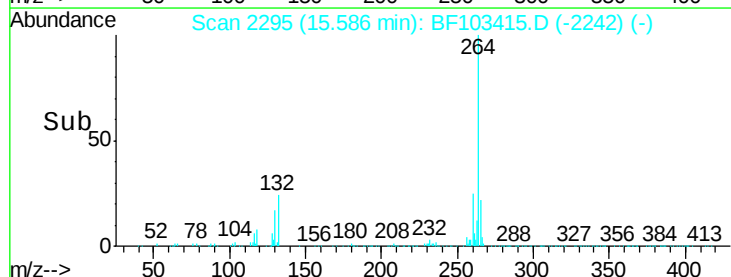
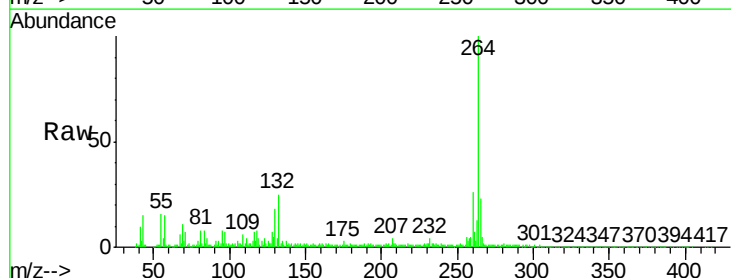
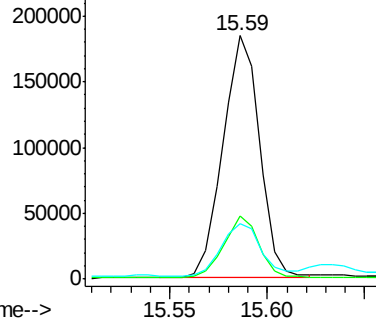
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.2	28.8
265	22.9	17.5	26.3

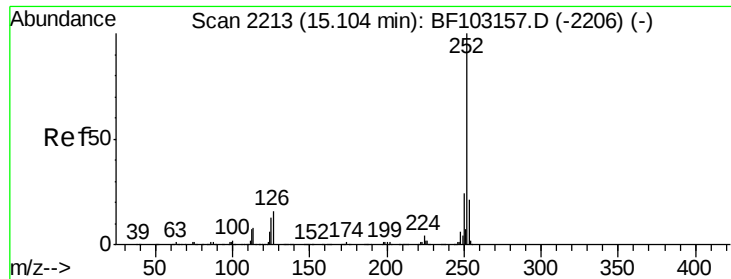
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





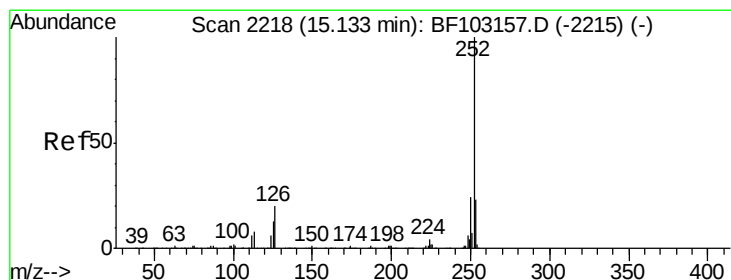
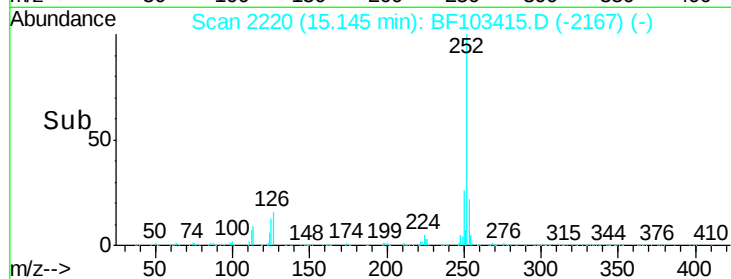
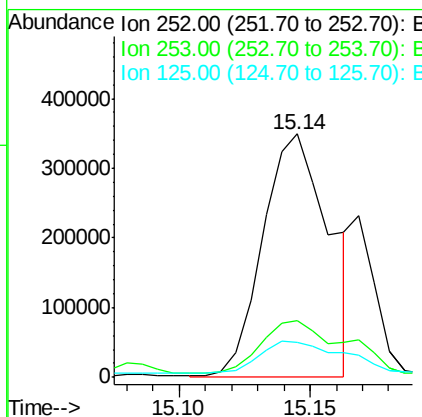
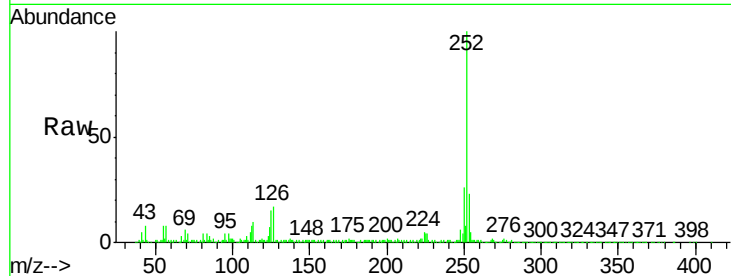
#87
Benzo(b)fluoranthene
Concen: 39.131 ng m
RT: 15.14 min Scan# 2220
Delta R.T. 0.01 min
Lab File: BF103415.D
Acq: 5 Mar 2018 18:17

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	14.6	9.0	13.6

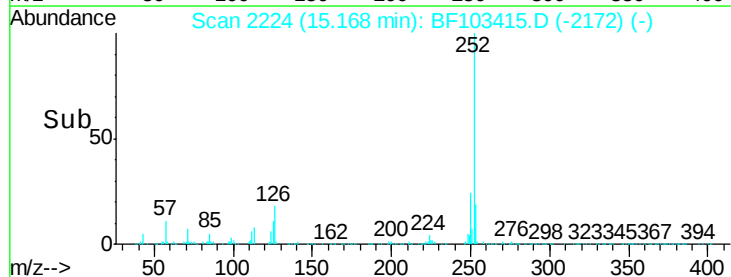
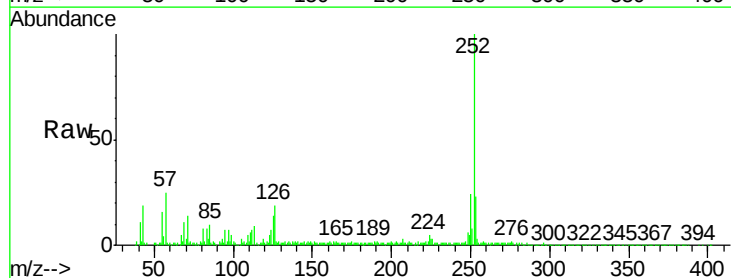
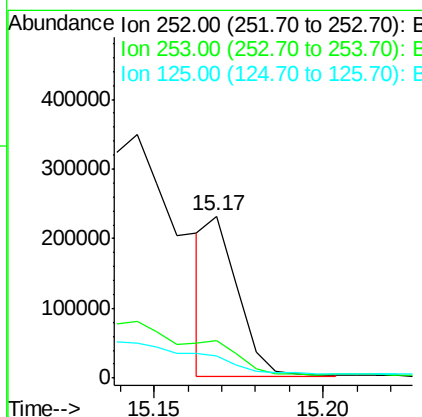
Manual Integrations
APPROVED

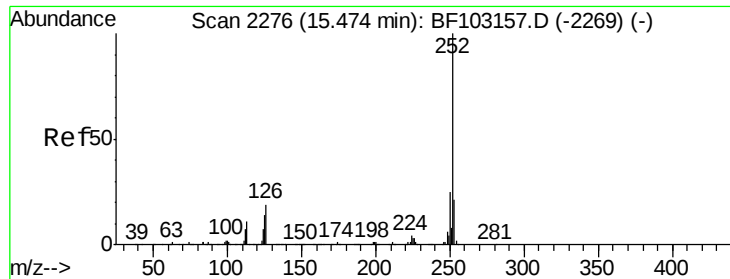
Sohil
3/6/2018 4:23:04 PM



#88
Benzo(k)fluoranthene
Concen: 9.879 ng m
RT: 15.17 min Scan# 2224
Delta R.T. 0.01 min
Lab File: BF103415.D
Acq: 5 Mar 2018 18:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	13.7	10.2	15.2





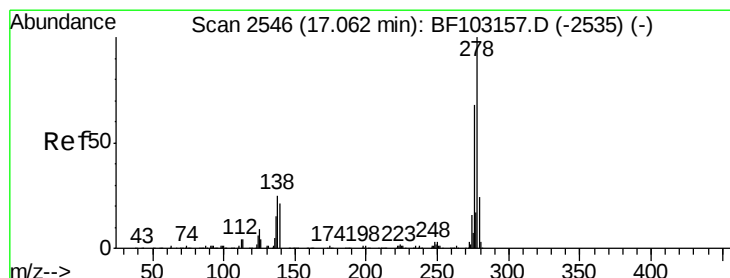
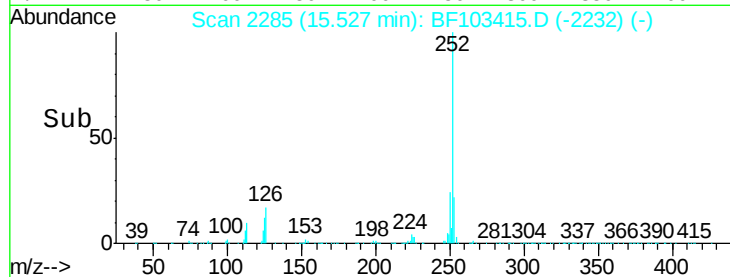
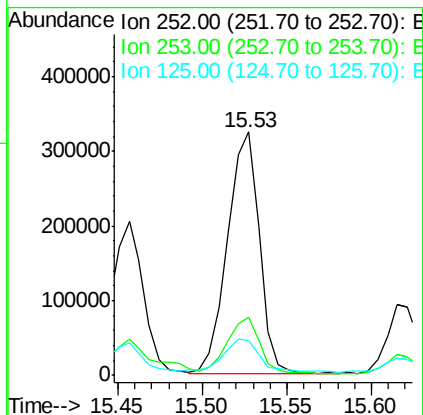
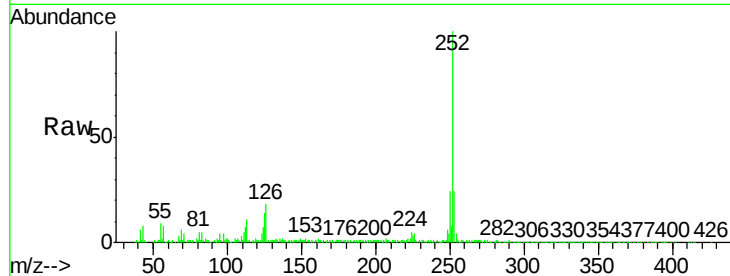
#89
Benzo(a)pyrene
Concen: 30.156 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.01 min
Lab File: BF103415.D
Acq: 5 Mar 2018 18:17

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	14.3	9.8	14.6

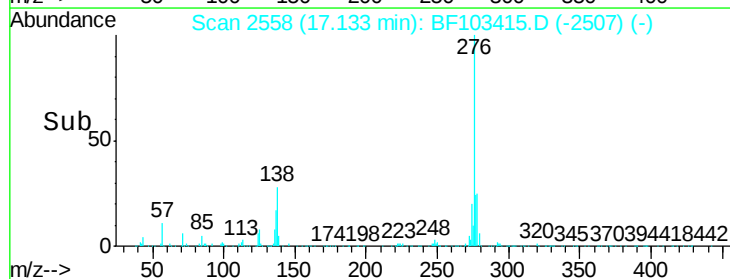
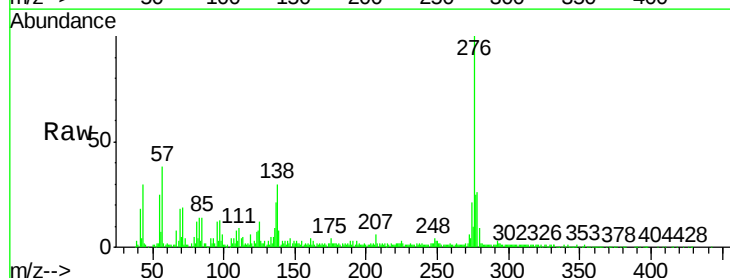
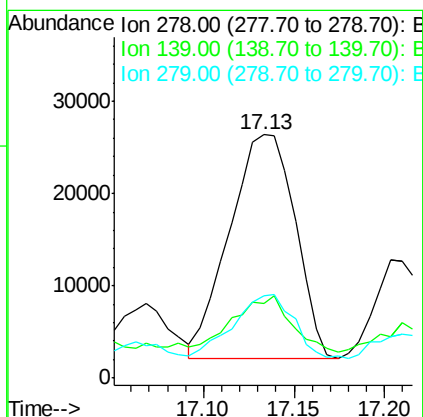
Manual Integrations
APPROVED

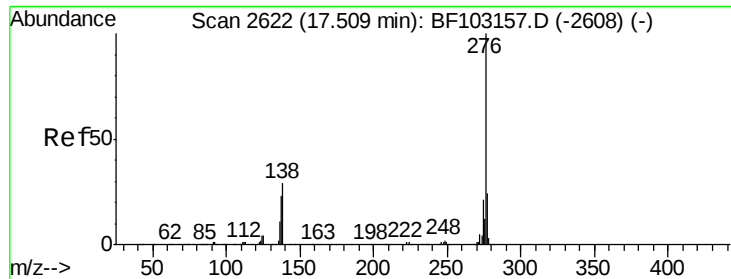
Sohil
3/6/2018 4:23:04 PM



#90
Dibenzo(a,h)anthracene
Concen: 5.644 ng
RT: 17.13 min Scan# 2558
Delta R.T. 0.00 min
Lab File: BF103415.D
Acq: 5 Mar 2018 18:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.7	15.9	23.9#
279	33.6	19.0	28.4#





#91
Benzo(a,h,i)perylene
Concen: 19.591 ng
RT: 17.62 min Scan# 2640
Delta R.T. 0.02 min
Lab File: BF103415.D
Acq: 5 Mar 2018 18:17

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-C

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	29.9	21.8	32.8

Manual Integrations
APPROVED

Sohil
3/6/2018 4:23:04 PM

